

## Frequently Asked Questions

### What is IIC and what is the $\Delta$ stand for?

IIC stands for Impact Insulation Class and serves as a unit of measurement determining the amount of impact sound transmission passing through a sub floor. The  $\Delta$  (Delta number) refers to the difference of what the original sound transmission was measured and the result difference after the Sound-Shield mat and tile are installed on the floor. The Delta number will be different with every floor. There is no one set delta number to meet, only by performing a sound test on the floor can you establish the delta number.

### Can I use Sound-Shield on the wall?

No. Sound-Shield is tested and approved as an underlay below hard surface flooring. We do not recommend its use for any other application.

### Is it an Anti-Fracture Membrane?

Yes. Sound-Shield can be used as an anti-fracture membrane up to 1/4".

### Is it a Waterproof Membrane?

No. It is not a waterproof membrane; however, it is a 100% vapor barrier. Sound-Shield will not prevent moisture from entering through leaky walls or floors. We recommend locating and repairing all causes of water infiltration before installing floor coverings.

### Technical Assistance

Mer-Krete Systems offers both on-line and hands on assistance. Our Mer-Krete Hot Line Number is **(800) 851-6303**. Technical Assistance is highly recommended prior to any application.

## Sound-Shield 7000 and 801 Thin Set

- Easy Application
- 801 Thin Set dries in hours
- Exceeds ANSI A118.4 specifications
- Reduces impact noise transmission
- Crack Isolation Membrane up to 1/4"
- Rated Extra Heavy Duty on Robinson Floor Test



### Coverage

- Sound-Shield 7000 mats are in easy to handle 14 sq ft sheets.
- 801 Thin Set covers approximately 90 sq ft per 50 lb. bag (1/4" x 1/4")

### Other Products Available from Mer-Krete Systems, Inc.

- Fracture-Guard 5000 Anti-Fracture Membrane
- Hydro-Guard One Waterproof and Anti-Fracture Membrane
- Hydro-Guard 2000 Waterproof and Anti-Fracture Membrane
- BFP Exterior Waterproof Membrane Over Occupied Space

### Warranty

Mer-Krete offers a variety of warranties for most applications. Mer-Krete 5-year, 10-year and Limited Lifetime warranties are available. Contact your local Mer-Krete Systems office for further information.



**800-851-6303**

Tel: (310) 320-1880 Fax: (310) 320-4938  
[www.merkrete.com](http://www.merkrete.com)

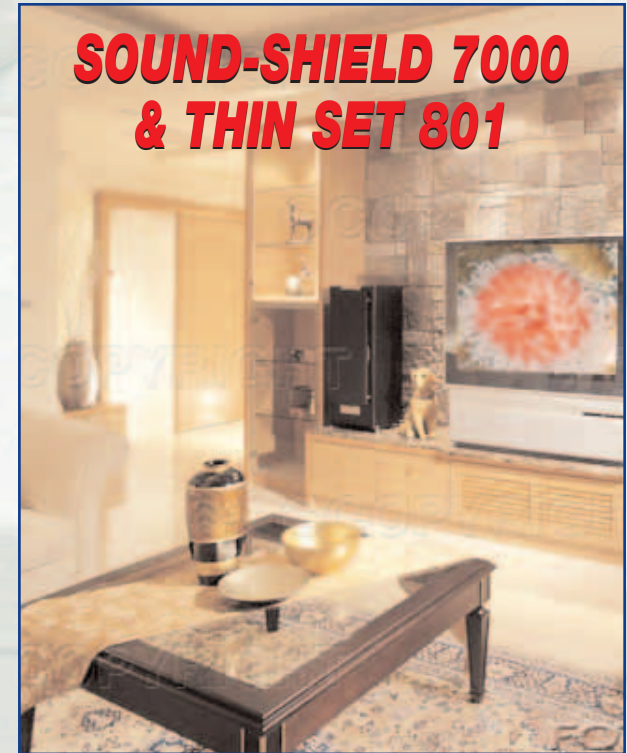


**MER-KRETE™**

*The Professional's Choice!*

**S Y S T E M S**

**SOUND-SHIELD 7000  
& THIN SET 801**



*For the Ultimate*  
**SOUND REDUCTION  
SYSTEM**

*Serving the Building Industry  
Since 1971*

Visit Our Website  
[www.merkrete.com](http://www.merkrete.com)

**800-851-6303**

## What is Sound-Shield 7000?

A high performance acoustic underlay engineered from recycled rubber to reduce sound transmission through sub-floors. Sound-Shield is versatile, easy to handle, labor saving, and quieter than industry standards.

## Where to Use Sound-Shield?

Use Sound-Shield 7000 wherever impact sound transmission is a concern: condominiums, apartments, office buildings, hotels, homes, etc.



## Easy to Handle

4' x 3 1/2' x 1/8", Sound-Shield mats are thinner, lighter, and stronger, than most other acoustic underlays. Carrying, laying and trimming Sound-Shield is simple and extremely efficient. Because Sound-Shield 7000 is in a sheet format there is no problem with edges rolling up.

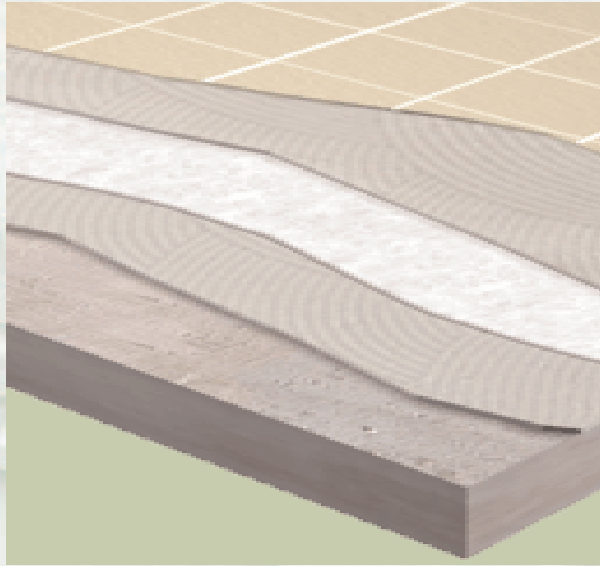
## Works With All Kinds of Flooring

Available in easy-to-install mats and offers incredible sound-dampening qualities when placed below tile, stone, hardwood or laminated floors.

## Environmentally Sound

Sound-Shield is engineered from recycled tires – so every square foot you install means less landfill waste.

## Mer-Krete Systems' Sound Reduction System



## Sound-Shield 7000 and 801 Thin Set

801 Thin Set is a specially formulated product which allows the adhesion of ceramic tile, stone and especially porcelain tile to the Sound-Shield mat and allows tile setting within 3 hours. 801 is a polymer modified fast setting mortar. When mixed with water, the resultant adhesive is then troweled to form a thin set mortar meeting strict standards of ANSI A-118.4 requirements. When cured, this adhesive will display excellent physical properties in adhesion, flexibility, and reduced water absorption. 801 Thin Set will be exceptional bond strength when placed between two impervious surfaces.



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## Installation Instructions

- Surface to be clean, dry and free of all foreign material. No curing compounds are acceptable prior to installation.
- Mix Mer-Krete 801 Thin Set with approximately 1 gal to 1 1/4 gallon of cool, clean water per 50 lb bag to a smooth paste like consistency. If properly mixed the Thin Set will hold peaks in the bucket without slumping. Do not let slack, begin spreading the material immediately. Do not let material or water set in sun and get warm before mixing.
- Use a proper notched trowel (1/4" x 1/4") and spread only that which can be covered in 15 minutes. If material skims over on the floor, retrowel as long as material remains tacky, if dried out, remove from floor and discard. Material in bucket will remain workable for approximately 45 minutes.
- When spreading thin set, comb in one direction. Place on edge of Sound-Shield mat on the floor and roll down into the thin set (roll perpendicular to the troweled ridges of the thin set). Leave a 1/4" gap around room or any protrusions and fill with an acoustical caulking material.
- Move the mat back and forth perpendicular to the thin set ridges. A 30 lb roller is recommended to help flatten out the mat.
- Allow the thin set to dry a minimum of 3 hours before applying overlay. Use the Mer-Krete 801 thin set to set the tile to the mat following TCNA recommendations.
- Contact Mer-Krete Assistance Hot Line before Installing Sound Shield mat if going to install hardwood or laminate floors.

